FEB 0 7 2005

(See notes on accompanying sheet)

From the INTERNATIONAL SEARCHING AUTHORITY		
To: STEVEN A. MAY	PCT	
1303 EAST ALGONQUIN ROAD	NOTIFICATION OF TRANSMITTAL OF	
SCHAUMBURG, IL 60196	THE INTERNATIONAL SEARCH REPORT AND	
	THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION	
IF NO RESPONSE IS NEEDED.	(PCT Rule 44.1)	
PLEASE INITIAL ATE THE REJURN TO CAROL	Date of mailing	
REJURN TO PARTOL	(day/month/year) 29 UEC 2004	
Applicant's or agent's file reference CE10654R	FOR FURTHER ACTION See paragraphs 1 and 4 below	
International application No. PCT/US04/20439	International filing date (day/month/year) 24 June 2004 (24.06.2004)	
Applicant MOTOROLA, INC., A CORPORATION OF THE STATE OF	DELAWARE	
The applicant is hereby notified that the international s Authority have been established and are transmitted be	earch report and the written opinion of the International Searching rewith.	
Filing of amendments and statement under Article I The applicant is entitled, if he so wishes, to amend the	19:	
When? The time limit for filing such amendments	is normally two months from the date of transmittal of the international	
search report.	IDO 24 chemin des Colombettes	
, Where? Directly to the International Bureau of W. 1211 Geneva 20, Switzerland, Facsimile	No.: +41 22 740 14 35	
For more detailed instructions, see the notes on the		
2. The applicant is bereby notified that no international s	earch report will be established and that the declaration under of the International Searching Authority are transmitted herewith.	
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:		
the protest together with the decision thereon has	s been transmitted to the International Bureau together with the he protest and the decision thereon to the designated Offices.	
no decision has been made yet on the protest; the	e applicant will be notified as soon as a decision is made.	
4. Reminders	in a second second second	
Shortly after the expiration of 18 months from the priority of	date, the international application will be published by the International	
Bureau. If the applicant wishes to avoid or postpone publics priority claim, must reach the international Bureau as provid the technical preparations for international publication.	ation, a notice of withdrawal of the international application, or of the ed in Rules 90bis.1 and 90bis.3, respectively, before the completion of	
- unit comments on an informal basis	on the written opinion of the Imernational Searching Authority to the	
a	AUN UT MICH COMMISSIES ID SIT RESISTED CHITCES GIRESO SIT MICHINETONIA	
preliminary examination report has been or is to be established. These comments would also be inside available to the public but not before the expiration of 30 months from the priority date.		
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary		
within 19 months from the priority date, but only in respect to entry into the national phase until 30 months from the priority examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.		
in respect of other designated Offices, the time limit of 3 months.	30 menths (or later) will apply even if no demand is filed within 19	
See the Annex to Form PCT/IB/301 and, for details about Guide, Volume II, National Chapters and the WIPO Internet	it the applicable time limits, Office by Office, see the PCT Applicant's is its.	
Name and mailing address of the ISA/ US	Authorized officer	
Mail Stop PCT, Attn: ISA/US	Edan Orgad	
Commissioner for Patents P.O. Box 1450	Q Email Cigan (/// ()	
Alexandria, Virginia 22313-1450	Telephone No. 703-305-4223	
Pacsimile No. (703) 305-3230		

PAGE 7/12 * RCVD AT 2/7/2005 4:47:19 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/6 * DNIS:8729306 * CSID: * DURATION (mm-ss):05-34

Form PCT/ISA/220 (Jamuary 2004)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CE10654R	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US04/20439	International filing date (day/mont) 24 June 2004 (24.06.2004)	h/year) (Earliest) Priority Date (day/month/year) 26 June 2003 (26.06.2003)
Applicant MOTOROLA, INC., A CORPORATION	OF THE STATE OF DELAWARE	
This international search report consists It is also accompanied	Py is owing transmitted to the lines	•
a. With regard to the language, if language in which it was filed, the international search was Authority (Rule 23.1(b)).	the international search was carried of unless otherwise indicated under this carried out on the basis of a translational decimal and or ambiguity and account of the carried out on the basis of a translational decimal and or ambiguity and account of the carried sequence disclosure.	art on the heat of the t
contained in the international filed together with the international furnished subsequently to this	application in written form. stional application in computer reada s Authority in written form.	
furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.		
Certain claims were found to Unity of invention is lacking With regard to the title, the text is approved as submit	(See Box II). zed by the applicant.	
5. With regard to the abstract, the text is approved as submit	by this Authority to read as follows:	
the text has been established, may, within one month from t	according to Rule 38.2(b), by this A he date of mailing of this internation	uthority as it appears in Box III. The applicant al search report, submit comments to this Authority.
as suggested by the applicant. because the applicant failed to because this figure better char	suggest a figure.	None of the figures

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International application No.

	<u> </u>	PCT/US04/20439	•	
A. CLASSIFICATION OF SUBJECT MATTER IPC(7): H04B 7/00; H04Q 7/00 US CL: 455/436, 442, 522 According to International Patent Classification (IPC) or to both pational classification and IPC				
	DS SEARCHED	HIGHER CLESSIFICATION AND IPC		
Minimum documentation searched (classification system followed by classification symbols) U.S.: 455/436, 442, 522				
Documentation	on searched other than minimum documentation to the	e extent that such documents are included	in the fields searched	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		·	
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
х	US006185199 B1 (ZEHAVI) 06 February 2001, see	e detailed written opinion 237 report.	1, 5 and 9	
A		,	2-4, 6-8 and 10	
x	US006097972 A (SAAINTS et al) 01 August 2000,	see entire document. 🗸	1, 5 and 9	
A	2-4, 6-8 and 10			
Y	US 5,640,414 A (BLACKENEY, II et al) 17 June 1997, see col. 3, line 21-col. 4, line 24			
Y	Y US 20020126739 A1 (TIEDEMANN, JR. et al) 12 September 2002, see paragraphs 20-26 1, 5 and 9			
Y	Y US 20020093918 A1 (KIM et al) 18 July 2002, see entire document. 1, 5 and 9			
X,P	X,P US006757270B1 (KUMAR et al) 29 June 2004, see entire document. 1, 5 and 9			
Purther	r documents are listed in the continuation of Box C.	See patent family annex.		
i —	pecial categories of cited documents:	"T" later document published after the inter	mational filing date or priority	
	defining the general state of the art which is not considered to be of relevance	date and not in conflict with the application or theory underlying the love		
1 '	plication or pazens published on or after the international filing date	"X" document of particular relevance; the considered novel or carnot be considered when the document is taken alone	claimed invention carmot be red to involve an inventive step	
	s which may throw doubts on priority claim(s) or which is caled to the publication date of another claution or other special reason (as)	"Y" document of particular relevance; the considered to involve an inventive step		
"O" documen	t referring to an oral disclosure, use, exhibition or other means	with one or more other such document obvious to a person skilled in the art	is, such combination being	
"P" documen	· · · · · · · · · · · · · · · · · · ·			
	Date of the actual completion of the international search Date of mailing of the international search report 9. 9 DF C. 2004			
	r 2004 (12,12,2004) railing address of the ISA/US	Authorized office	7 1 1 1 1 T	
Ma Co	ialling address of the ISA/US alli Stop PCT, Aun: ISA/US ammissioner for Patents D. Box 1450	Edan Orgad Ine Suit	t flely	
Ale	exandria, Virginia 22313-1450 o. (703) 305-3230	Telephone No./703-305-4223		

Form PCT/ISA/210 (second sheet) (July 1998)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	ERATION TREATY		
To: STEVEN A. MAY 1303 EAST ALGONQUIN ROAD SCHAUMBURG, IL 60196	PCT		
	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
	(PCT Rule 43bis.1)		
Applicant's or agent's file reference	Date of mailing (day/month/year) 29 DEC 2004		
	FUR FURTHER ACTION		
CE10654R International application No. International filing data	See paragraph 2 below		
James and Sales	(day/month/year) Priority date (day/month/year)		
PCT/US04/20439 24 June 2004 (24.06.20	~ ^		
International Patent Classification (IPC) or both national classification	tion and IPC		
IPC(7): H04B 7/00; H04Q 7/00 and US Cl.: 455/436, 442, 522			
MOTOROLA, INC., A CORPORATION OF THE STATE OF D	ELAWARE		
1. This opinion contains indications relating to the following item	18:		
Box No. I Basis of the opinion			
Box No. II Priority	•		
Box No. III Non-establishment of opinion with res	ani to noveiny inventive and a district the same and a		
Box No. IV Lack of unity of invention	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention		
√ √ √ √	1(a)(i) with regard to novelty, inventive step or industrial		
Box No. VI Certain documents cited	· ·		
Box No. VII Certain defects in the international app	lication		
Box No. VIII Certain observations on the Internation	÷.		
2. FURTHER ACTION			
If a demand for international preliminary examination is made, International Preliminary Examining Authority ("IPEA") exc. Authority other than this one to be the IPEA and the chosen IP that written opinions of this International Searching Authority w	The title unit does not apply where the applicant chooses an		
If this opinion is, as provided above, considered to be a writter IPBA a written reply together, where appropriate, with amen mailing of Form PCT/ISA/220 or before the expiration of 22 mc For further options, see Form PCT/ISA/220.	opinion of the IPEA, the applicant is invited to submit to the idments, before the expiration of 3 months from the date of onths from the priority date, whichever expires later.		
3. For further details, see notes to Form PCT/ISA/220.			
lame and mailing address of the EGA (YO			
Mail Stop PCT, Ann: ISA/US	Authorized officer/		
Commissioner for Patents P.O. Box 1450	Edan Orgad		
Alexandria, Virginia 22313-1450	V = V - V - V - V		
acsimile No. (703) 305-3230	Telephone No. 708-305-4223		
m PCT/ISA/237 (cover sheet) (Jamuary 2004)			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
.PCT/US04/20439	

DOX IV	io. I Basis of this opinion
1. With	regard to the language, this opinion has been established on the basis of the international application in the language in whi
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and
2. With claime	regard to any nucleotide and/or amine acid sequence disclosed in the international application and necessary to the discount of invention, this opinion has been established on the basis of:
	type of material
	a sequence listing
İ	table(s) related to the sequence listing
b. 1	format of material
Į	in written format
[in computer readable form
c. ti	ime of filing/fumishing
Ĺ	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
	purposes of Scalett.
us	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been ed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in application as filed or does not go beyond the application as filed, as appropriate, were furnished.
Additiona	d comments:
	•
•	
	· · · · · · · · · · · · · · · · · · ·
	237(Box No. I) (January 2004)

YES

NO -

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/20439

Box No. V Reasoned statement under Rule 43 bis.1(a)(l) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement Novelty (N) Claims 2-4, 6-8 and 10 Claims 1.5 and 9 YES _NO Inventive step (IS) Claims 2-4, 6-8 and 10 Claims 1.5 and 9 YES Industrial applicability (IA) Claims 1-10

Claims NONE

Citations and explanations:

Claims 1, 5 and 9 novelty under PCT Article 33(2) as being anticipated by Zehavi (US 6,185,199).

Regarding claim 1, Zehavi teaches a method in a wireless communication system for midgating powercontrol errors during a soft handoff of a mobile unit, the method comprising: programming a plurality of base stations with a uniform power-control bit pattern to be sent to the mobile unit during a plurality of power-control bit times, before the mobile unit is acquired on a reverse link (col. 3, lines 1-14); and timing transmissions of the uniform power-control bit pattern such that the plurality of base stations, when transmitting, send identical power-control bits during each of the plurality of power-control bit times (col. 12, lines 49-63).

Regarding claim 5 and 9. Zehavi teaches an apparatus for use in a wireless communication system for mitigating powercontrol errors during a soft handoff of a mobile unit, the apparatus for use with a base station of a plurality of base stations attempting to communicate with the mobile unit, the apparatus comprising: a processor for controlling the base station (col. 3, lines 1-14), a memory element coupled to the processor for programming the processor, the memory element comprising a uniform powercontrol bit pattern to be sent by different ones of the plurality of base stations to the mobile unit during a plurality of power-control bit times, before the mobile unit is acquired on a reverse link (col. 12, lines 49-63); and a synchronizer coupled to the processor for cooperating with the processor to time transmissions of the uniform power-control bit pattern such that the plurality of base stations, when transmitting, send identical power-control bits during each of the plurality of power-control bit times (col. 6, line 66, col. 7,

Claims 2 and 6 meet the criteria set out in PCT Article 33(2)-(4), because the prior an does not teach or fairly suggest wherein programming the plurality of base stations with the uniform power-control bit pattern comprises programming a pattern that requires more than a single transmission frame of a forward link from a base station to the mobile unit before the pattern repeats, and wherein timing the transmissions comprises synchronizing the transmissions from each of the plurality of base stations such that the

Claims 3, 7 and 10 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest wherein programming the plurality of base stations with the uniform power-control bit pattern comprises programming a pattern that repeats after a single one of a plurality of transmission frames of a forward link from the base station to the mobile unit, and wherein timing the transmissions comprises starting the transmissions at substantially identical points within different ones of the plurality of

Claims 4 and 8 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest wherein the uniform power-control bit pattern is a pattern that repeats after a single one of a plurality of transmission frames of a forward link from the base station to the mobile unit, and wherein the synchronizer is arranged and programmed such that the transmissions of the uniform power-control bit pattern from the plurality of base stations start at substantially identical points within different ones of the plurality of transmission frames.

Form PCT/ISA/237 (Box No. V) (January 2004)